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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    | Application Number       | Not Yet Assigned 10/777,684 |                   |
|                                                                                                   |   |    | Filing Date              | Concurrently Herewith       |                   |
|                                                                                                   |   |    | First Named Inventor     | Terry L. Gilton             |                   |
|                                                                                                   |   |    | Art Unit                 | N/A 2823                    |                   |
|                                                                                                   |   |    | Examiner Name            | Not Yet Assigned H. LEE     |                   |
| Sheet                                                                                             | 1 | of | 14                       | Attorney Docket Number      | M4065.0699/P699-B |

| U.S. PATENT DOCUMENTS |                       |                                                             |                                |                                                    |                                                                                 |
|-----------------------|-----------------------|-------------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
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| **                    | AB                    | 3,622,319                                                   | 11/1971                        | Sharp                                              |                                                                                 |
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| **                    | AD                    | 4,269,935                                                   | 05/1981                        | Masters et al.                                     |                                                                                 |
| **                    | AE                    | 4,312,938                                                   | 01/1982                        | Drexer et al.                                      |                                                                                 |
| **                    | AF                    | 4,320,191                                                   | 03/1982                        | Yoshikawa et al.                                   |                                                                                 |
| **                    | AG                    | 4,405,710                                                   | 09/1983                        | Balasubramanyam et al.                             |                                                                                 |
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| **                    | AN                    | 5,238,864                                                   | 08/1993                        | Bialock et al.                                     |                                                                                 |
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| **                    | AQ                    | 5,360,981                                                   | 11/1994                        | Owen et al.                                        |                                                                                 |
| **                    | AR                    | 5,512,328                                                   | 04/1996                        | Yoshimura et al.                                   |                                                                                 |
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| **                       | BA                    | 56126916 A                                                                                                   | 10/1981                        | Japan (Abstract)                                   |                                                                                 |                |
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| **                              | CA                    | Axon Technologies Corporation, "Programmable Metallization Cell (PMC)," pp. 1-6 (pre 2000).                                                                                                                                                                     |                |
| **                              | CB                    | Das, et al., "Theory of the Characteristic Curves of the Silver Chalcogenide Glass Inorganic Photoresists," Appl. Phys. Lett., 54(18), pp. 1745-1747, May 1, 1989.                                                                                              |                |
| **                              | CC                    | J.N. Helbert, et al., "Intralayer Hybrid Resist Process with Submicron Capability," SPIE, Vol. 333, pp. 24-29. 1982.                                                                                                                                            |                |

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6/29/05

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| ** Lee                | AT                    | 5,726,083                                                   | 03/1998                        | Takaishi                                           |                                                                                 |
| ** Lee                | AU                    | 5,751,012                                                   | 05/1998                        | Wolstenholme et al.                                |                                                                                 |
| ** Lee                | AV                    | 5,761,115                                                   | 06/1998                        | Kozicki et al.                                     |                                                                                 |
| ** Lee                | AW                    | 5,789,277                                                   | 08/1998                        | Zahorik et al.                                     |                                                                                 |
| ** Lee                | AX                    | 5,841,150                                                   | 11/1998                        | Gonzalez et al.                                    |                                                                                 |
| ** Lee                | AY                    | 5,846,889                                                   | 12/1998                        | Harbison et al.                                    |                                                                                 |
| ** Lee                | AZ                    | 6,388,324                                                   | 05/2002                        | Kozicki                                            |                                                                                 |
| ** Lee                | AA1                   | 6,469,364-B1                                                | 10/2002                        | Kozicki                                            |                                                                                 |
| ** Lee                | AB1                   | 5,896,312                                                   | 04/1999                        | Kozicki et al.                                     |                                                                                 |
| ** Lee                | AC1                   | 5,914,893                                                   | 06/1999                        | Kozicki et al.                                     |                                                                                 |
| ** Lee                | AD1                   | 5,920,788                                                   | 07/1999                        | Reinberg                                           |                                                                                 |
| ** Lee                | AE1                   | 5,998,066                                                   | 12/1999                        | Block et al.                                       |                                                                                 |
| ** Lee                | AF1                   | 6,077,729                                                   | 06/2000                        | Harshfield                                         |                                                                                 |
| ** Lee                | AG1                   | 6,084,796                                                   | 07/2000                        | Kozicki et al.                                     |                                                                                 |
| ** Lee                | AH1                   | 6,117,720                                                   | 09/2000                        | Harshfield                                         |                                                                                 |
| ** Lee                | AI1                   | 6,143,604                                                   | 11/2000                        | Chiang et al.                                      |                                                                                 |
| ** Lee                | AJ1                   | 6,177,338                                                   | 01/2001                        | Liaw et al.                                        |                                                                                 |
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| ** Lee                   | BD                    | WO 97/48032                                                                                                  | 12/1997                        | WIPO                                               |                                                                                 |                |
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| ** Lee                          | CD                    | Hilt, "Material Characterization of Silver Chalcogenide Programmable Metallization Cells," Dissertation, Arizona State University, May 1999.                                                                                                                    |  |  |
| ** Lee                          | CE                    | Hirose et al., "High Speed Memory Behavior and Reliability of an Amorphous As <sub>2</sub> S <sub>3</sub> Film Doped with Ag," Physica Status Solidi, (a), 61, pp. K187-K190, July 17, 1980.                                                                    |  |  |
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Lee Mary Lee

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|                                                                                                          |   |    | Art Unit                 | <u>N/A</u> <u>2823</u>             |                   |
|                                                                                                          |   |    | Examiner Name            | Not Yet Assigned <u>H. LEE</u>     |                   |
| Sheet                                                                                                    | 3 | of | 14                       | Attorney Docket Number             | M4065.0699/P699-B |

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| **                    | AM1                   | 6,300,684                                                   | 10/2001                        | Gonzalez et al.                                    |                                                                                 |
| **                    | AN1                   | 6,316,784                                                   | 11/2001                        | Zahorik et al.                                     |                                                                                 |
| **                    | AO1                   | 6,329,606                                                   | 12/2001                        | Freyman et al.                                     |                                                                                 |
| **                    | AP1                   | 6,348,365                                                   | 02/2002                        | Moore et al.                                       |                                                                                 |
| **                    | AQ1                   | 6,350,679                                                   | 02/2002                        | McDaniel et al.                                    |                                                                                 |
| **                    | AR1                   | 6,376,284                                                   | 04/2002                        | Gonzalez et al.                                    |                                                                                 |
| **                    | AS1                   | 6,391,688                                                   | 05/2002                        | Gonzalez et al.                                    |                                                                                 |
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| **                    | AU1                   | 6,418,049                                                   | 07/2002                        | Kozicki et al.                                     |                                                                                 |
| **                    | AV1                   | 6,423,628                                                   | 07/2002                        | Li et al.                                          |                                                                                 |
| **                    | AW1                   | 6,653,193                                                   | 11/2003                        | Gilton                                             |                                                                                 |
| **                    | AX1                   | 6,638,820                                                   | 10/2003                        | Moore                                              |                                                                                 |
| **p                   | AU1                   | 09/797,635                                                  | 03/2001                        | Moore et al.                                       |                                                                                 |
| **Lee                 | AV1                   | 09/921,518                                                  | 08/2001                        | Moore                                              |                                                                                 |

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| **Lee                           | CH                    | Huggett, et al., "Development of Silver Sensitized Germanium Selenide Photoresist by Reactive Sputter Etching in SF <sub>6</sub> ," Appl. Phys. Lett, 42, pp. 592-594, April 1, 1983.                                                                           |  |  |
| **Lee                           | CI                    | Johnson, et al., "Lateral Diffusion in Ag-Se Thin-film Copules, Journal of Applied Physics, Vol. 40, No. 1, January, 1969.                                                                                                                                      |  |  |
| **Lee                           | CJ                    | Kawaguchi, et al., "Mechanism of Photosurface Deposition," Journal of Non-Crystalline Solids, pp. 1231-1234, 1993.                                                                                                                                              |  |  |
| **Lee                           | CK                    | Kawaguchi, et al., "Optical, Electrical, and Structural Properties of Amorphous Ag-Ge-S and Ag-Ge-Se films and . . .," 79 J. Appl. Phys., No. 12, pp. 9096-9104, June 1996.                                                                                     |  |  |
| **Lee                           | CL                    | Kluge, et al., "Silver Photodiffusion in Amorphous Ge <sub>2</sub> Se <sub>100-x</sub> ," 124 Journal of Non-Crystalline Solids, pp. 186-193, 1990.                                                                                                             |  |  |

*Karen Mary Lee*

*6/29/2005*

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| **                    | AX1                   | 09/943,190                                                  | 08/2001                        | Campbell et al.                                    |                                                                                 |
| **                    | AY1                   | 09/943,199                                                  | 08/2001                        | Campbell et al.                                    |                                                                                 |
| **                    | AZ1                   | 09/999,883                                                  | 10/2001                        | Moore et al.                                       |                                                                                 |
| **                    | AA2                   | 10/061,825                                                  | 01/2002                        | Gilton et al.                                      |                                                                                 |
| **                    | AB2                   | 10/077,867                                                  | 02/2002                        | Campbell et al.                                    |                                                                                 |
| **                    | AC2                   | 10/232,757                                                  | 08/2002                        | Le et al.                                          |                                                                                 |
| **                    | AD2                   | 6,388,324                                                   | 05/2002                        | Kozicki et al.                                     |                                                                                 |
| **                    | AE2                   | 5,500,532                                                   | 03/1996                        | Kozicki et al.                                     |                                                                                 |
| **                    | AF2                   | 6,469,364                                                   | 10/2002                        | Kozicki                                            |                                                                                 |
| **                    | AG2                   | 6,635,914                                                   | 10/2003                        | Kozicki et al.                                     |                                                                                 |
| ** Lee                | AH2                   | 6,670,713                                                   | 12/2003                        | Gonzalez et al.                                    |                                                                                 |

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| **Lee                           | CM                    | Kolobov, et al., "Photodoping of Amorphous Chalcogenides by Metals," 40 Advances in Physics, No. 5, pp. 625-684, 1991.                                                                                                                                          |  |                |
| **Lee                           | CN                    | McHardy, et al., "The Dissolution of Metals in Amorphous Chalcogenides and the Effects of Electron and Ultraviolet Radiation," J. Phys. C: Solid State Phys., 20, pp. 4055-4075, January 27, 1987.                                                              |  |                |
| **Lee                           | CO                    | Mitkova, et al., "Dual Chemical Role of Ag as an Additive in Chalcogenide Glasses," 83 Physical Review Letters, No. 19, pp. 3848-3851, November 8, 1999.                                                                                                        |  |                |

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| Sheet 5 of 14                                                                                            | Attorney Docket Number | M4065.0699/P699-B        |                              |

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| **                              | CV                    | Shimizu, et al., "The Photo-Erasable Memory Switching Effect on Ag Photo-Doped Chalcogenide Glasses," Imaging Science and Engineering Laboratory, Tokyo Institute of Technology, pp. 3662-3665, May 1, 1973.                                                    |                |
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|                                                                                                   |   |    | Filing Date              | Concurrently Herewith        |                   |
|                                                                                                   |   |    | First Named Inventor     | Terry L. Gilton              |                   |
|                                                                                                   |   |    | Art Unit                 | N/A 2823                     |                   |
|                                                                                                   |   |    | Examiner Name            | Not Yet Assigned H. LEE      |                   |
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|                                                                                                                                          |   | First Named Inventor     | Terry L. Gilton              |                        |                   |
|                                                                                                                                          |   | Art Unit                 | N/A 2823                     |                        |                   |
|                                                                                                                                          |   | Examiner Name            | Not Yet Assigned H LEE       |                        |                   |
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|                                                                                                                                          |   |    | Art Unit                 | N/A 2823                     |                   |
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| ** Lee                          | CQ3                   | Gosain, et al., "Nonvolatile Memory Based on Reversible Phase Transition Phenomena in Telluride Glasses," Jap. J. Appl. Phys., 28, 1013-1018, 1989.                                                                                                             |                |  |
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| **                              | CT3                   | Gupta, "On Electrical Switching and Memory Effects in Amorphous Chalcogenides," J. Non-Cryst. Sol., 3, 148-154, 1970.                                                                                                                                           |                |  |
| **                              | CU3                   | Haberland, et al., "New Experiments on the Charge-controlled Switching Effect in Amorphous Semiconductors," J. Non-Cryst. Solids, 8-10, 408-414, 1972.                                                                                                          |                |  |
| **                              | CV3                   | Haifz, et al., "Effect of Composition on the Structure and Electrical Properties of As-Se-Cu Glasses," J. Apply. Phys., 54, 1950-1954, 1983.                                                                                                                    |                |  |
| **                              | CW3                   | Hajto, et al., "Quantization Effects in Metal/a-Si:H/metal Devices," Int. J. Electronics, 73, 911-913, 1992.                                                                                                                                                    |                |  |
| **                              | CX3                   | Hajto, et al., "DC and AC Measurements on Metal/a-Si:H/metal Room Temperature Quantised Resistance Devices," J. Non-Cryst. Solids, 266-269, 1058-1061, 2000.                                                                                                    |                |  |
| **                              | CY3                   | Hajto, et al., "Theory of Room Temperature Quantized Resistance Effects in Metal-a-Si:H-metal Thin Film Structures," J. Non-Cryst. Solids, 198-200, 825-828, 1996.                                                                                              |                |  |
| **                              | CZ3                   | Hajto, et al., "Analogue Memory and Ballistic Electron Effects in Metal-amorphous Silicon Structures," Phil. Mag. B 63, 349-369, 1991.                                                                                                                          |                |  |
| **                              | CA4                   | Hayashi, et al., "Polarized Memory Switching in Amorphous Se Film," Japan. J. Appl. Phys., 13, 1163-1164, 1974.                                                                                                                                                 |                |  |
| **                              | CB4                   | Hegab, et al., "Memory Switching Phenomena in Thin Films of Chalcogenide Semiconductors," Vacuum, 45, 459-462, 1994.                                                                                                                                            |                |  |
| **                              | CC4                   | Hong, et al., "Switching Behavior in II-IV-V2 Amorphous Semiconductor Systems," J. Non-Cryst. Solids, 116, 191-200, 1990.                                                                                                                                       |                |  |
| **                              | CD4                   | Gosain, et al., "Nonvolatile Memory Based on Reversible Phase Transition Phenomena in Telluride Glasses," Jap. J. Appl. Phys., 28, 1013-1018, 1989.                                                                                                             |                |  |
| **                              | CE4                   | Guin, et al., "Indentation Creep of Ge-Se Chalcogenide Glasses Below Tg: Elastic Recovery and Non-Newtonian Flow," J. Non-Cryst. Solids, 298, 260-269, 2002.                                                                                                    |                |  |
| **                              | CF4                   | Guin, et al., "Hardness, Toughness, and Scratchability of Germanium-selenium Chalcogenide Glasses," J. Am. Ceram. Soc., 85, 1545-52, 2002.                                                                                                                      |                |  |
| **                              | CG4                   | Gupta, "On Electrical Switching and Memory Effects in Amorphous Chalcogenides," J. Non-Cryst. Sol., 3, 148-154, 1970.                                                                                                                                           |                |  |
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| **                              | CI4                   | Haifz, et al., "Effect of Composition on the Structure and Electrical Properties of As-Se-Cu Glasses," J. Apply. Phys., 54, 1950-1954, 1983.                                                                                                                    |                |  |
| ** Lee                          | CJ4                   | Hajto, et al., "Quantization Effects in Metal/a-Si:H/metal Devices," Int. J. Electronics, 73, 911-913, 1992.                                                                                                                                                    |                |  |

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*Asian Ming Lee*

*6/5/95*

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|                                                                                                          |    |    | Filing Date              | Concurrently Herewith        |                   |
|                                                                                                          |    |    | First Named Inventor     | Terry L. Gilton              |                   |
|                                                                                                          |    |    | Art Unit                 | N/A 2823                     |                   |
|                                                                                                          |    |    | Examiner Name            | Not Yet Assigned H. LEE      |                   |
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| ** Lee                          | CK4                   | Hajto, et al., "DC and AC Measurements on Metal/a-Si:H/metal Room Temperature Quantised Resistance Devices," J. Non-Cryst. Solids, 266-269, 1058-1061, 2000.                                                                                                    |  |  |                |
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| **                              | CR4                   | Guin, et al., "Indentation Creep of Ge-Se Chalcogenide Glasses Below Tg: Elastic Recovery and Non-Newtonian Flow," J. Non-Cryst. Solids, 298, 260-269, 2002.                                                                                                    |  |  |                |
| **                              | CS4                   | Guin, et al., "Hardness, Toughness, and Scratchability of Germanium-selenium Chalcogenide Glasses," J. Am. Ceram. Soc., 85, 1545-52, 2002.                                                                                                                      |  |  |                |
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| **                              | CW4                   | Hajto, et al., "Quantization Effects in Metal/a-Si:H/metal Devices," Int. J. Electronics, 73, 911-913, 1992.                                                                                                                                                    |  |  |                |
| **                              | CX4                   | Hajto, et al., "DC and AC Measurements on Metal/a-Si:H/metal Room Temperature Quantised Resistance Devices," J. Non-Cryst. Solids, 266-269, 1058-1061, 2000.                                                                                                    |  |  |                |
| **                              | CY4                   | Hajto, et al., "Theory of Room Temperature Quantized Resistance Effects in Metal-a-Si:H-metal Thin Film Structures," J. Non-Cryst. Solids, 198-200, 825-828, 1996.                                                                                              |  |  |                |
| **                              | CZ4                   | Hajto, et al., "Analogue Memory and Ballistic Electron Effects in Metal-amorphous Silicon Structures," Phil. Mag. B 63, 349-369, 1991.                                                                                                                          |  |  |                |
| **                              | CA5                   | Hayashi, et al., "Polarized Memory Switching in Amorphous Se Film," Japan. J. Appl. Phys., 13, 1163-1164, 1974.                                                                                                                                                 |  |  |                |
| **                              | CB5                   | Hegab, et al., "Memory Switching Phenomena in Thin Films of Chalcogenide Semiconductors," Vacuum, 45, 459-462, 1994.                                                                                                                                            |  |  |                |
| **                              | CC5                   | Hong, et al., "Switching Behavior in II-IV-V2 Amorphous Semiconductor Systems," J. Non-Cryst. Solids, 116, 191-200, 1990.                                                                                                                                       |  |  |                |
| ** Lee                          | CD5                   | Hosokawa, "Atomic and Electronic Structures of Glassy GexSe1-x Around the Stiffness Threshold Composition," J. Optoelectronics and Advanced Materials, 3, 199-214, 2001.                                                                                        |  |  |                |

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|                                                                                                                                          |    |    | Filing Date              | Concurrently Herewith        |                   |
|                                                                                                                                          |    |    | First Named Inventor     | Terry L. Gilton              |                   |
|                                                                                                                                          |    |    | Art Unit                 | N/A 2823                     |                   |
|                                                                                                                                          |    |    | Examiner Name            | Not Yet Assigned H. LEE      |                   |
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| ** Lee                          | CE5                   | Hu, et al., "Constant Current Forming in Cr/p+a-Si:H/V Thin Film Devices," J. Non-Cryst. Solids, 227-230, 1187-1191, 1998.                                                                                                                                      |  |                |
| **                              | CF5                   | Hu, et al., "Capacitance Anomaly Near the Metal-non-metal Transition in Cr-hydrogenated Amorphous Si-V Thin-film Devices," Phil. Mag. B. 74, 37-50, 1996.                                                                                                       |  |                |
| **                              | CG5                   | Hu, et al., "Current-induced Instability in Cr-p+a-Si:H-V Thin Film Devices," Phil. Mag. B 80, 29-43, 2000.                                                                                                                                                     |  |                |
| **                              | CH5                   | Iizima, et al., "Electrical and Thermal Properties of Semiconducting Glasses As-Te-Ge," Solid State Comm. 8, 153-155, 1970.                                                                                                                                     |  |                |
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| **                              | CJ5                   | Iyetomi, et al., "Incipient Phase Separation in Ag/Ge/Se Glasses: Clustering of Ag Atoms," J. Non-Cryst. Solids, 262, 135-142, 2000.                                                                                                                            |  |                |
| **                              | CK5                   | Jones, et al., "Switching Properties of Thin Selenium Films Under Pulsed Bias," Thin Solid Films, 40, L15-L18, 1977.                                                                                                                                            |  |                |
| **                              | CL5                   | Joullie, et al., "On the DC Electrical Conduction of Amorphous As2Se7 Before Switching," Phys. Stat. Sol. (a) 13, K105-K109, 1972.                                                                                                                              |  |                |
| **                              | CM5                   | Joullie, et al., "Electrical Properties of the Amorphous Alloy As2Se5," Mat. Res. Bull., 8, 433-442, 1973.                                                                                                                                                      |  |                |
| **                              | CN5                   | Kaplan, et al., "Electrothermal Switching in Amorphous Semiconductors," J. Non-Cryst. Solids, 8-10, 538-543, 1972.                                                                                                                                              |  |                |
| **                              | CO5                   | Kawaguchi, et al., "Analysis of Change in Optical Transmission Spectra Resulting from Ag Photodoping in Chalcogenide Film," Japn. J. Appl. Phys., 26, 15-21, 1987.                                                                                              |  |                |
| **                              | CP5                   | Kawasaki, et al., "Ionic Conductivity of Agx(GeSe3)1-x (0<=x<=0.571) Glasses," Solid state Ionics, 123, 259-269, 1999.                                                                                                                                          |  |                |
| **                              | CQ5                   | Kolobov, "On the Origin of P-type Conductivity in Amorphous Chalcogenides," J. Non-Cryst. Solids, 198-200, 728-731, 1996.                                                                                                                                       |  |                |
| **                              | CR5                   | Kolobov, "Lateral Diffusion of Silver in Vitreous Chalcogenide Films," J. Non-Cryst. Solids, 137-138, 1027-1030, 1991.                                                                                                                                          |  |                |
| **                              | CS5                   | Korkinova, et al., "Chalcogenide Glass Polarization and the Type of Contacts," J. Non-Cryst. Solids, 194, 256-259, 1996.                                                                                                                                        |  |                |
| **                              | CT5                   | Kotkata, et al., "Memory Switching in Amorphous GeSeTI Chalcogenide Semiconductor Films," Thin Solid Films, 240, 143-146, 1994.                                                                                                                                 |  |                |
| **                              | CU5                   | Lakshminarayan, et al., "Amorphous Semiconductor Devices: Memory and Switching Mechanism," J. Instn Electronics & Telecom. Engrs, 27, 16-19, 1981.                                                                                                              |  |                |
| **                              | CV5                   | Lal, et al., "Chemical Bond Approach to Study the Memory and Threshold Switching Chalcogenide Glasses," Indian Journal of pure & appl. phys., 29, 303-304, 1991.                                                                                                |  |                |
| **                              | CW5                   | Leimer, et al., "Isothermal Electrical Polarisation of Amorphous GeSe Films with Blocking Al Contacts Influenced by Poole-Frenkel Conduction," Phys. Stat. Sol. (a) 29, K129-K132, 1975.                                                                        |  |                |
| ** Lee                          | CX5                   | Leung, et al., "Photoinduced Diffusion of Ag in GexSe1-x Glass," Appl. Phys. Lett., 46, 543-545, 1985.                                                                                                                                                          |  |                |

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|                                                                                                                                          |    |    | Application Number       | Not Yet Assigned 14777, 684 |                   |
|                                                                                                                                          |    |    | Filing Date              | Concurrently Herewith       |                   |
|                                                                                                                                          |    |    | First Named Inventor     | Terry L. Gilton             |                   |
|                                                                                                                                          |    |    | Art Unit                 | N/A 2823                    |                   |
|                                                                                                                                          |    |    | Examiner Name            | Not Yet Assigned H. LEE     |                   |
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| ** Lee                          | CY5                   | Matsushita, et al., "Polarized Memory Effect Observed on Se-SnO <sub>2</sub> System," Jap. J. Appl. Phys., 11, 1657-1662, 1972.                                                                                                                                 |  |                |
| **                              | CZ5                   | Matsushita, et al., "Polarized Memory Effect Observed on Amorphous Selenium Thin Films," Jpn. J. Appl. Phys., 11, 606, 1972.                                                                                                                                    |  |                |
| **                              | CA6                   | Mazurier, et al., "Reversible and Irreversible Electrical Switching in TeO <sub>2</sub> -V <sub>2</sub> O <sub>5</sub> Based Glasses," Journal de Physique IV 2, C2-185 - C2-188, 1992.                                                                         |  |                |
| **                              | CB6                   | Messoussi, et al., "Electrical Characterization of M/Se Structures (M=Ni,Bi)," Mat. Chem. And Phys., 28, 253-258, 1991.                                                                                                                                         |  |                |
| **                              | CC6                   | Mitkova, et al., "Microscopic Origin of the Glass Forming Tendency in Chalcogenides and Constraint Theory," J. Non-Cryst. Solids, 240, 1-21, 1998.                                                                                                              |  |                |
| **                              | CD6                   | Mitkova, et al., "Silver Incorporation in Ge-Se Glasses Used in Programmable Metallization Cell Devices," J. Non-Cryst. Solids, 299-302, 1023-1027, 2002.                                                                                                       |  |                |
| **                              | CE6                   | Miyatani, "Electronic and Ionic Conduction in (Ag <sub>x</sub> Cu <sub>1-x</sub> ) <sub>2</sub> Se," J. Phys. Soc. Japan, 34, 423-432, 1973.                                                                                                                    |  |                |
| **                              | CF6                   | Miyatani, "Ionic Conduction in Beta-Ag <sub>2</sub> Te and Beta-Ag <sub>2</sub> Se," Journal Phys. Soc. Japan, 14, 996-1002, 1959.                                                                                                                              |  |                |
| **                              | CG6                   | Mott, "Conduction in Glasses Containing Transition Metal Ions," J. Non-Cryst. Solids, 1, 1-17, 1968.                                                                                                                                                            |  |                |
| **                              | CH6                   | Nakayama, et al., "Nonvolatile Memory Based on Phase Transitions in Chalcogenide Thin Films," Jpn. J. Appl. Phys., 32, 564-569, 1993.                                                                                                                           |  |                |
| **                              | CI6                   | Nakayama, et al., "Submicron Nonvolatile Memory Cell Based on Reversible Phase Transition in Chalcogenide Glasses," Jpn. J. Appl. Phys., 39, 6157-6161, 2000.                                                                                                   |  |                |
| **                              | CJ6                   | Nang, et al., "Electrical and Optical Parameters of GexSe <sub>1-x</sub> Amorphous Thin Films," Jap. J. App. Phys., 15, 849-853, 1976.                                                                                                                          |  |                |
| **                              | CK6                   | Narayanan, et al., "Evidence Concerning the Effect of Topology on Electrical Switching in Chalcogenide Network Glasses," Phys. Rev. B, 54, 4413-4415, 1996.                                                                                                     |  |                |
| **                              | CL6                   | Neale, et al., "The Application of Amorphous Materials to Computer Memories," IEEE transactions on electron dev. Ed-20, 195-209, 1973.                                                                                                                          |  |                |
| **                              | CM6                   | Ovshinsky, "Reversible Structural Transformations in Amorphous Semiconductors for Memory and Logic," Metallurgical transactions, 2, 641-645, 1971.                                                                                                              |  |                |
| **                              | CN6                   | Ovshinsky, "Reversible Electrical Switching Phenomena in Disordered Structures," Phys. Rev. Lett., 21, 1450-1453, 1968.                                                                                                                                         |  |                |
| **                              | CO6                   | Owen, et al., "New Amorphous-silicon Electrically Programmable Nonvolatile Switching Device," IEEE Proc., 129, 51-54, 1982.                                                                                                                                     |  |                |
| **                              | CP6                   | Owen, et al., "Photo-induced Structural and Physico-chemical Changes in Amorphous Chalcogenide Semiconductors," Phil. Mag. B 52, 347-362, 1985.                                                                                                                 |  |                |
| ** Lee                          | CQ6                   | Owen, et al., "Switching in Amorphous Devices," Int. J. Electronics, 73, 897-906, 1992.                                                                                                                                                                         |  |                |

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*Kevin Mary Lee* 6/24/2005

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|                                                                                                                                          |    |    | Filing Date              | Concurrently Herewith       |                   |
|                                                                                                                                          |    |    | First Named Inventor     | Terry L. Gilton             |                   |
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| ** Lee                          | CR6                   | Pearson, et al., "Filamentary Conduction in Semiconducting Glass Diodes," App. Phys. Lett., 14, 280-282, 1969.                                                                                                                                                  |                |  |
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| ** /                            | CV6                   | Popov, et al., "Memory and Threshold Switching Effects in Amorphous Selenium," Phys. Stat. Sol. (a) 44, K71-K73, 1977.                                                                                                                                          |                |  |
| ** /                            | CW6                   | Prakash, et al., "Easily Reversible Memory Switching In Ge-As-Te Glasses," J. Phys. D: Appl. Phys., 29, 2004-2008, 1996.                                                                                                                                        |                |  |
| ** /                            | CX6                   | Rahman, et al., "Electronic Switching in Ge-Bi-Se-Te Glasses," Mat. Sci. and Eng. B12, 219-222, 1992.                                                                                                                                                           |                |  |
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| ** /                            | CZ6                   | Rose, et al., "Amorphous Silicon Analogue Memory Devices," J. Non-Cryst. Solids, 115, 168-170, 1989.                                                                                                                                                            |                |  |
| ** /                            | CA7                   | Rose, et al., "Aspects of Non-volatility in a -Si:H Memory Devices," Mat. Res. Soc. Symp. Proc. V 258, 1075-1080, 1992.                                                                                                                                         |                |  |
| ** /                            | CB7                   | Schuoocker, et al., "On the Reliability of Amorphous Chalcogenide Switching Devices," J. Non-Cryst. Solids, 29, 397-407, 1978.                                                                                                                                  |                |  |
| ** /                            | CC7                   | Sharma, et al., "Electrical Conductivity Measurements of Evaporated Selenium Films in Vacuum," Proc. Indian Natn. Sci. Acad. 46, A, 362-368, 1980.                                                                                                              |                |  |
| ** /                            | CD7                   | Sharma, "Structural, Electrical and Optical Properties of Silver Selenide Films," Ind. J. Of Pure and Applied Phys., 35, 424-427, 1997.                                                                                                                         |                |  |
| ** /                            | CE7                   | Snell, et al., "Analogue Memory Effects in Metal/a-Si:H/metal Memory Devices," J. Non-Cryst. Solids, 137-138, 1257-1262, 1991.                                                                                                                                  |                |  |
| ** /                            | CF7                   | Snell, et al., "Analogue Memory Effects in Metal/a-Si:H/metal Thin Film Structures," Mat. Res. Soc. Symp. Proc. V 297, 1017-1021, 1993.                                                                                                                         |                |  |
| ** /                            | CG7                   | Steventon, "Microfilaments in Amorphous Chalcogenide Memory Devices," J. Phys. D: Appl. Phys., 8, L120-L122, 1975.                                                                                                                                              |                |  |
| ** /                            | CH7                   | Steventon, "The Switching Mechanisms in Amorphous Chalcogenide Memory Devices," J. Non-Cryst. Solids, 21, 319-329, 1976.                                                                                                                                        |                |  |
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*Heui Ming Lee*

*6/9/2005*

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |    |    | Application Number       | Not Yet Assigned 10/17/07, 684 |                   |
|                                                                                                   |    |    | Filing Date              | Concurrently Herewith          |                   |
|                                                                                                   |    |    | First Named Inventor     | Terry L. Gilton                |                   |
|                                                                                                   |    |    | Art Unit                 | N/A — 2823                     |                   |
|                                                                                                   |    |    | Examiner Name            | Not Yet Assigned H. LEE        |                   |
| Sheet                                                                                             | 14 | of | 14                       | Attorney Docket Number         | M4065.0699/P699-B |

| NON PATENT LITERATURE DOCUMENTS |                       |                                                                                                                                                                                                                                                                                |  |                |
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| ** Lee                          | CJ7                   | Tanaka, "Ionic and Mixed Conductions in Ag Photodoping Process," Mod. Phys. Lett B 4, 1373-1377, 1990.                                                                                                                                                                         |  |                |
| **                              | CK7                   | Tanaka, et al., "Thermal Effects on Switching Phenomenon in Chalcogenide Amorphous Semiconductors," Solid State Comm., 8, 387-389, 1970.                                                                                                                                       |  |                |
| **                              | CL7                   | Thornburg, "Memory Switching in a Type I Amorphous Chalcogenide," J. Elect. Mat., 2, 3-15, 1973.                                                                                                                                                                               |  |                |
| **                              | CM7                   | Thornburg, "Memory Switching in Amorphous Arsenic Triselenide," J. Non-Cryst. Solids, 11, 113-120, 1972.                                                                                                                                                                       |  |                |
| **                              | CN7                   | Thornburg, et al., "Electric Field Enhanced Phase Separation and Memory Switching in Amorphous Arsenic Triselenide," Journal(?), 4609-4612, 1972.                                                                                                                              |  |                |
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| **                              | CP7                   | Titus, et al., "Electrical Switching and Short-range Order in As-Te Glasses," Phys. Rev. B 48, 14650-14652, 1993.                                                                                                                                                              |  |                |
| **                              | CQ7                   | Tranchant, et al., "Silver Chalcogenide Glasses Ag-Ge-Se: Ionic Conduction and Exafs Structural Investigation, Transport-structure Relations in Fast Ion and Mixed Conductors," Proceedings of the 6th Riso International symposium, 9-13, September 1985.                     |  |                |
| **                              | CR7                   | Tregouet, et al., "Silver Movements in Ag2Te Thin Films: Switching and Memory Effects," Thin Solid Films, 57, 49-54, 1979.                                                                                                                                                     |  |                |
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*Karen May Lee*

*6/29/2005*